

**FIG. 1 -
Prior Art**

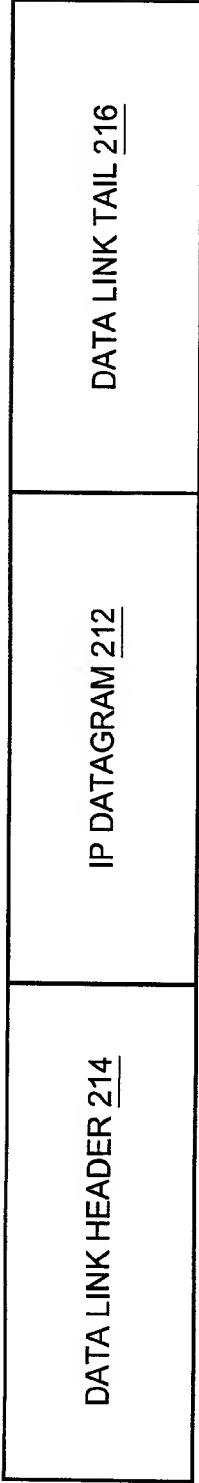


FIG. 2 - Prior Art

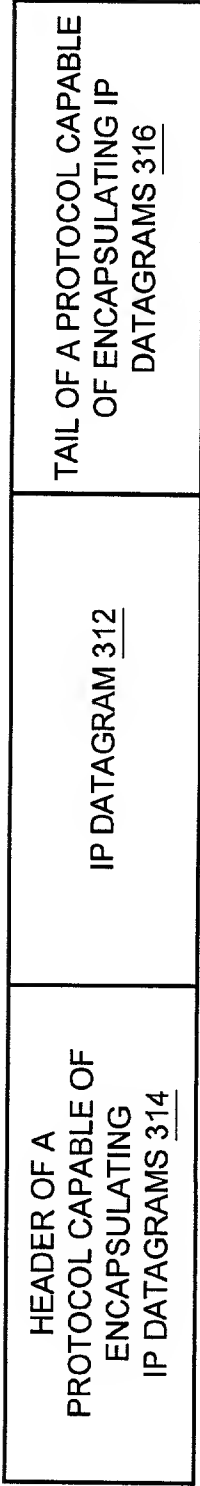


FIG. 3 - Prior Art

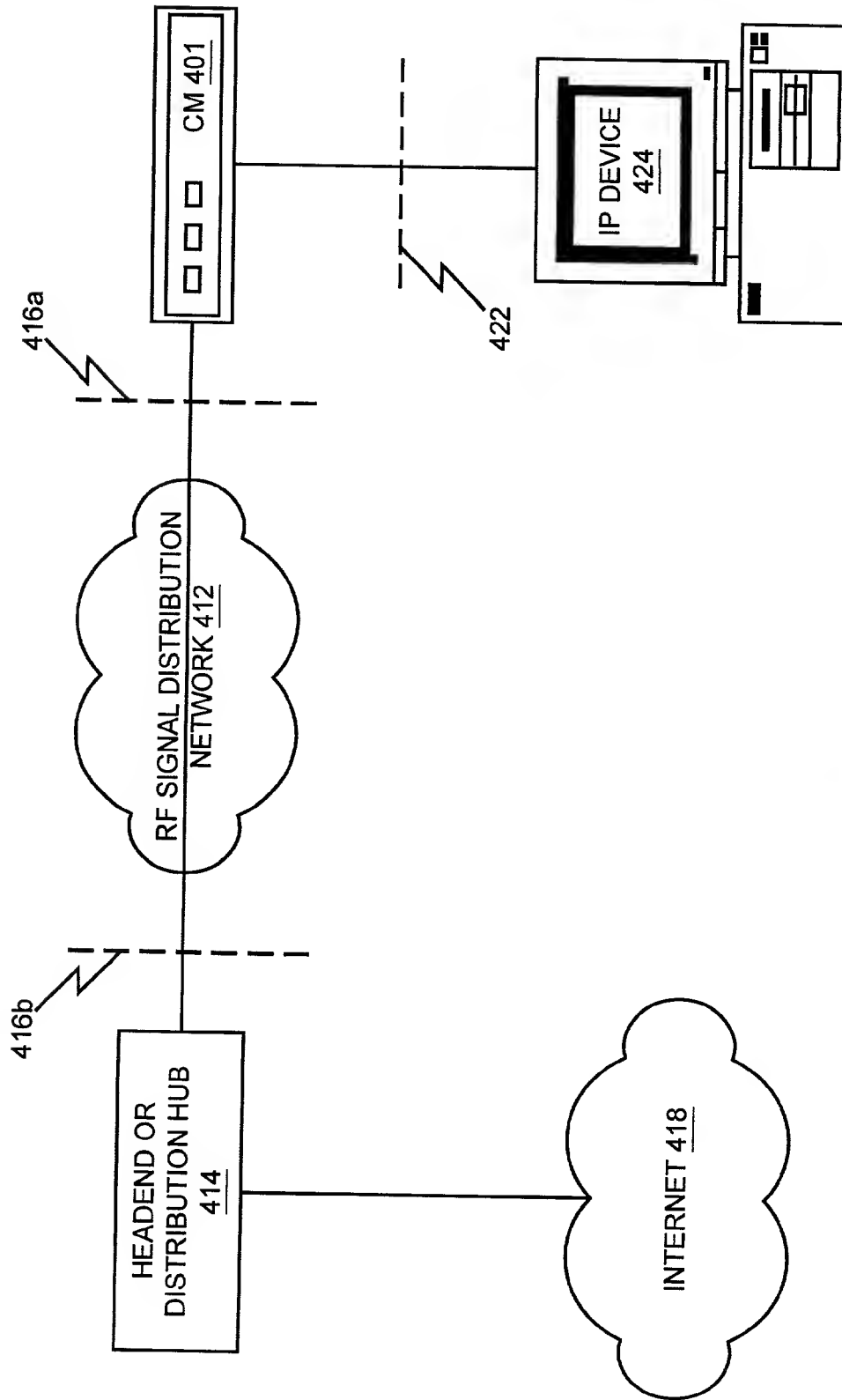


FIG. 4 - Prior Art

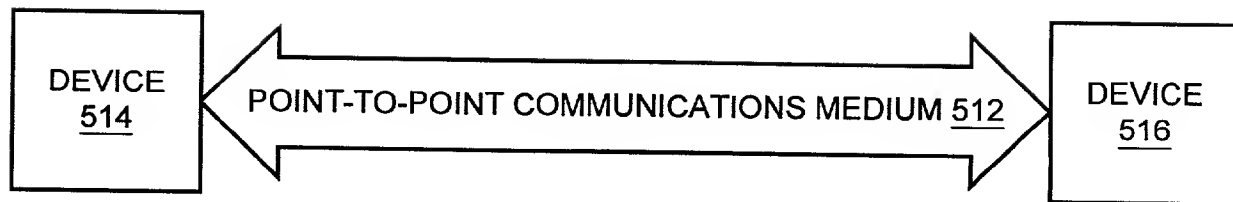
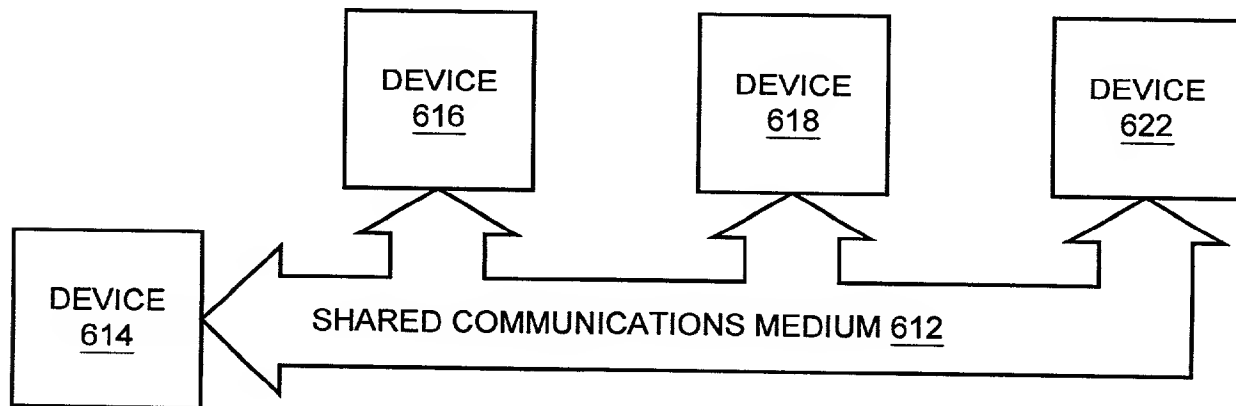
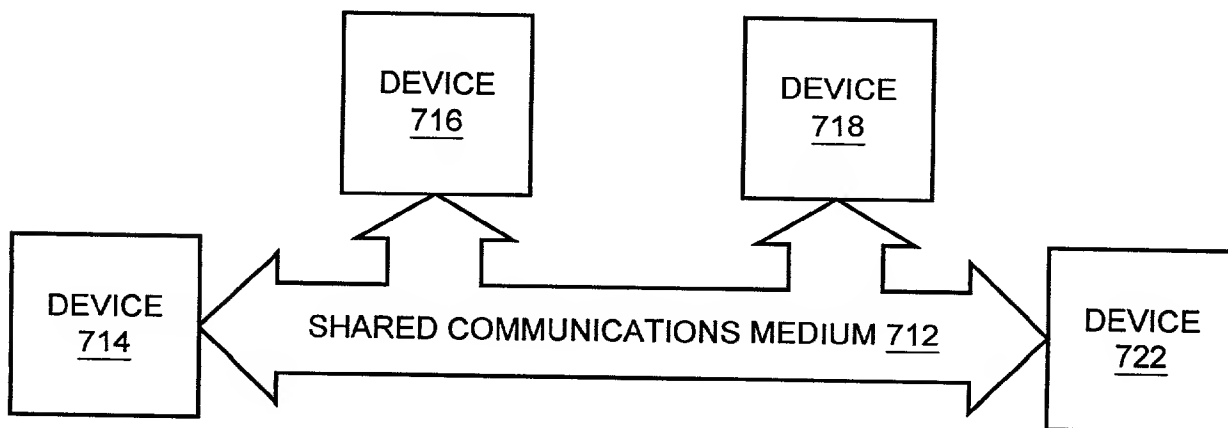
**FIG. 5 - Prior Art****FIG. 6 - Prior Art****FIG. 7 - Prior Art**

FIG. 8 is a block diagram of a system 800 for providing a distributed network of IP devices. The system 800 includes an RF signal distribution network 412, a communications medium 822, and a plurality of IP devices 824, 826, and 828. The RF signal distribution network 412 is connected to the communications medium 822 via a dashed line 416a. The communications medium 822 is connected to the IP devices 824, 826, and 828 via arrows indicating bidirectional communication.

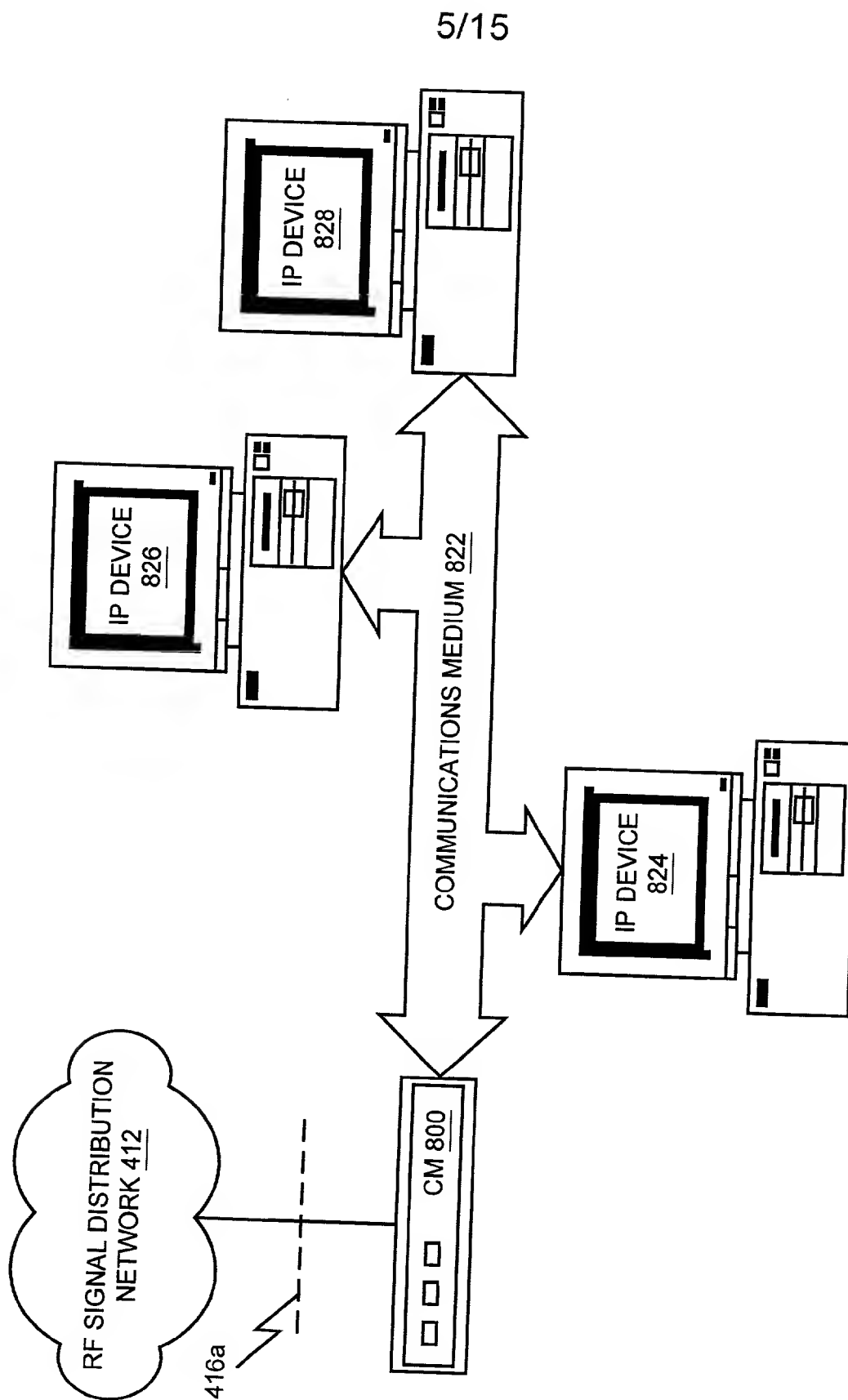


FIG. 8

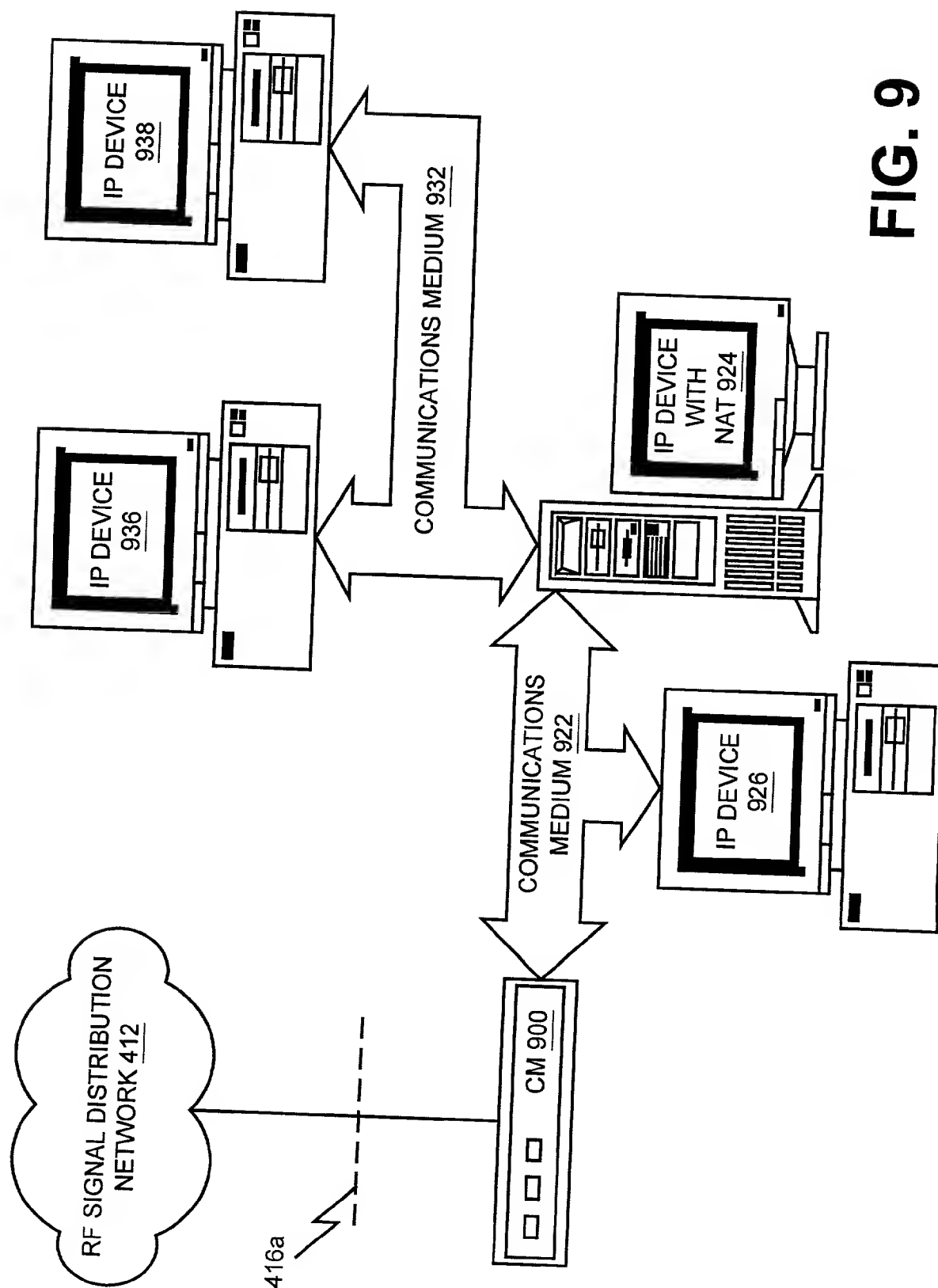


FIG. 9

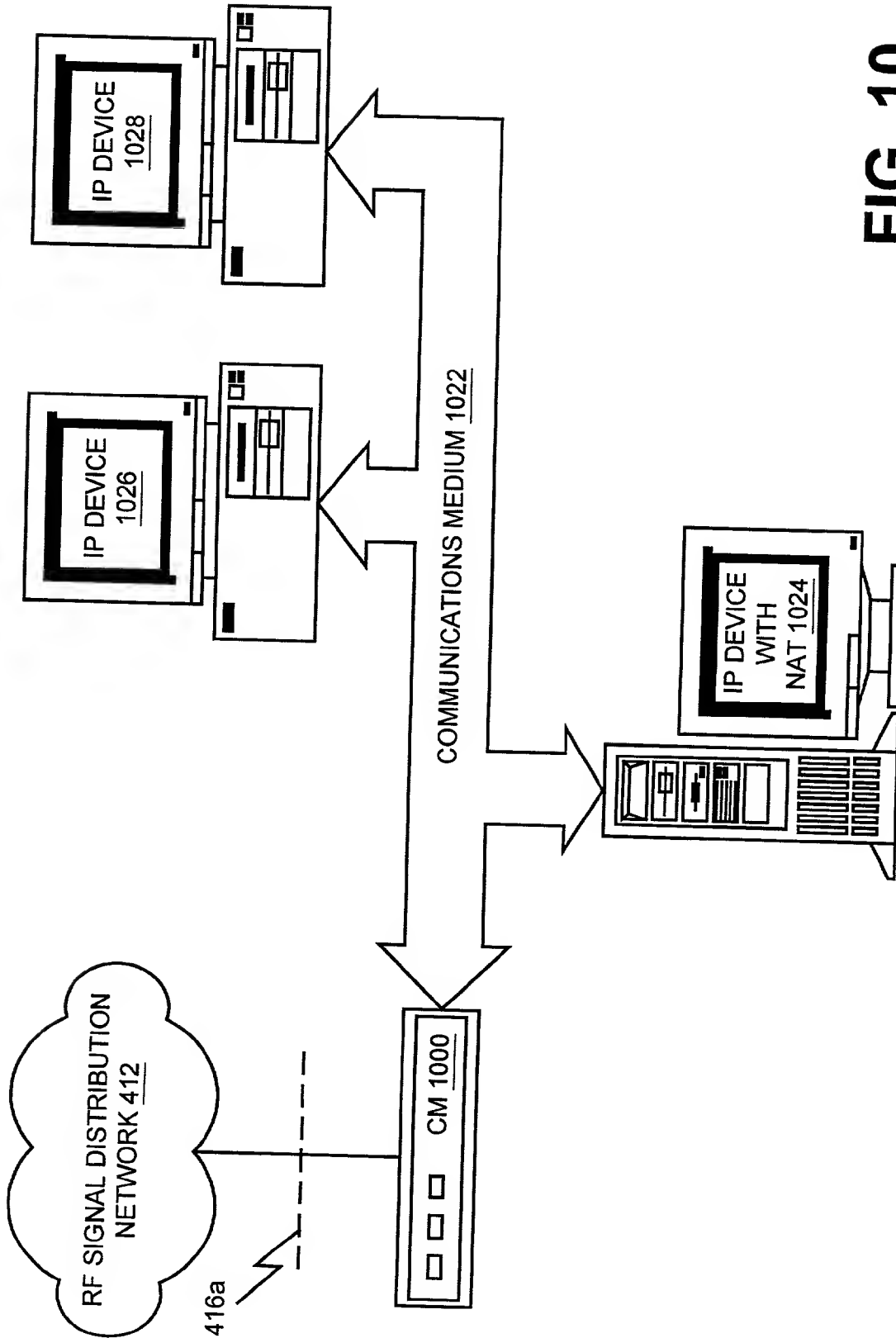


FIG. 10

$\frac{a_{11}^{(1)} \dots a_{1n}^{(1)}}{b_1} \dots \frac{a_{11}^{(n)} \dots a_{1n}^{(n)}}{b_n} = \frac{a_{11}^{(1)} \dots a_{1n}^{(1)}}{b_1} \dots \frac{a_{11}^{(n)} \dots a_{1n}^{(n)}}{b_n}$

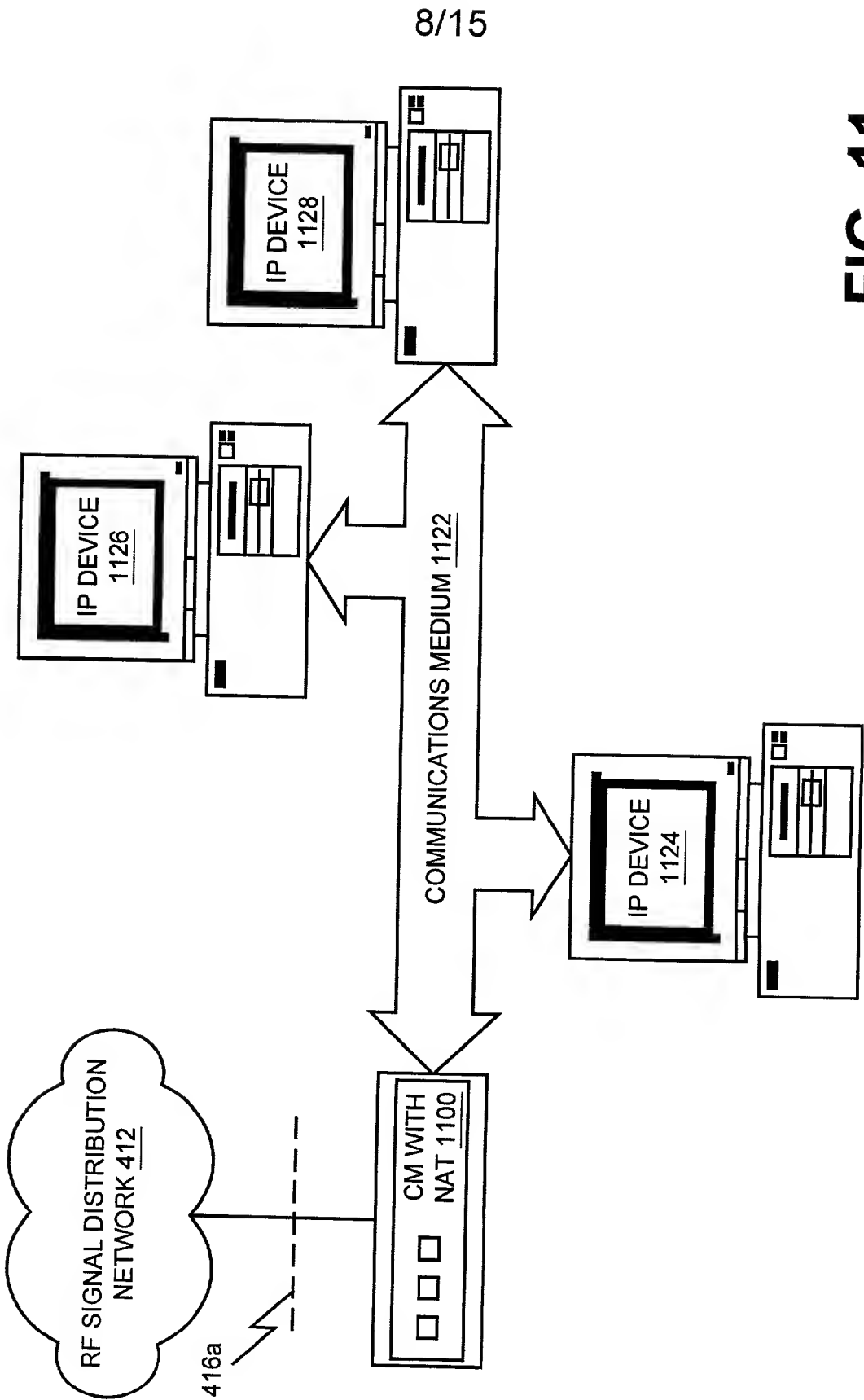


FIG. 11

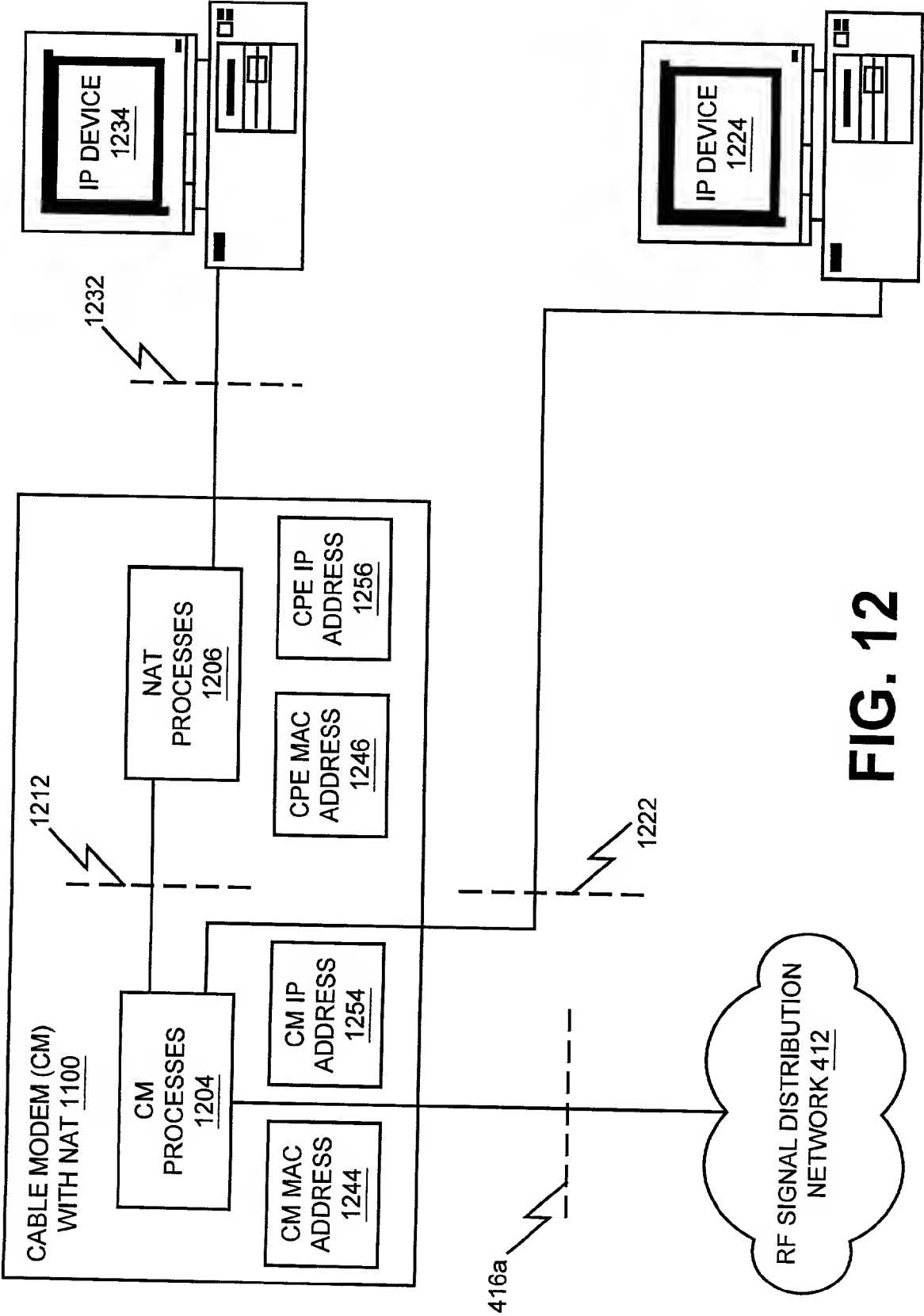


FIG. 12

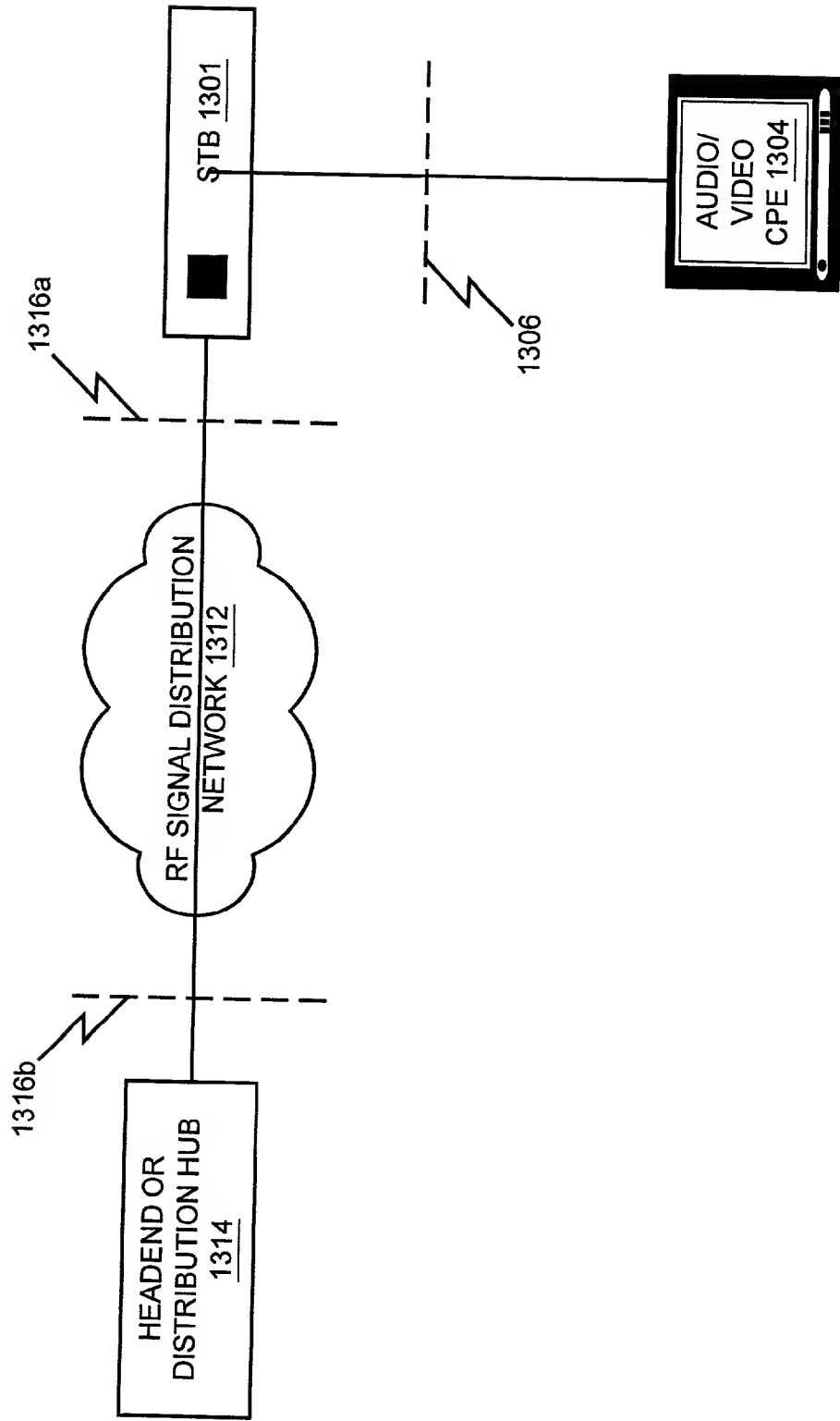


FIG. 13 - Prior Art

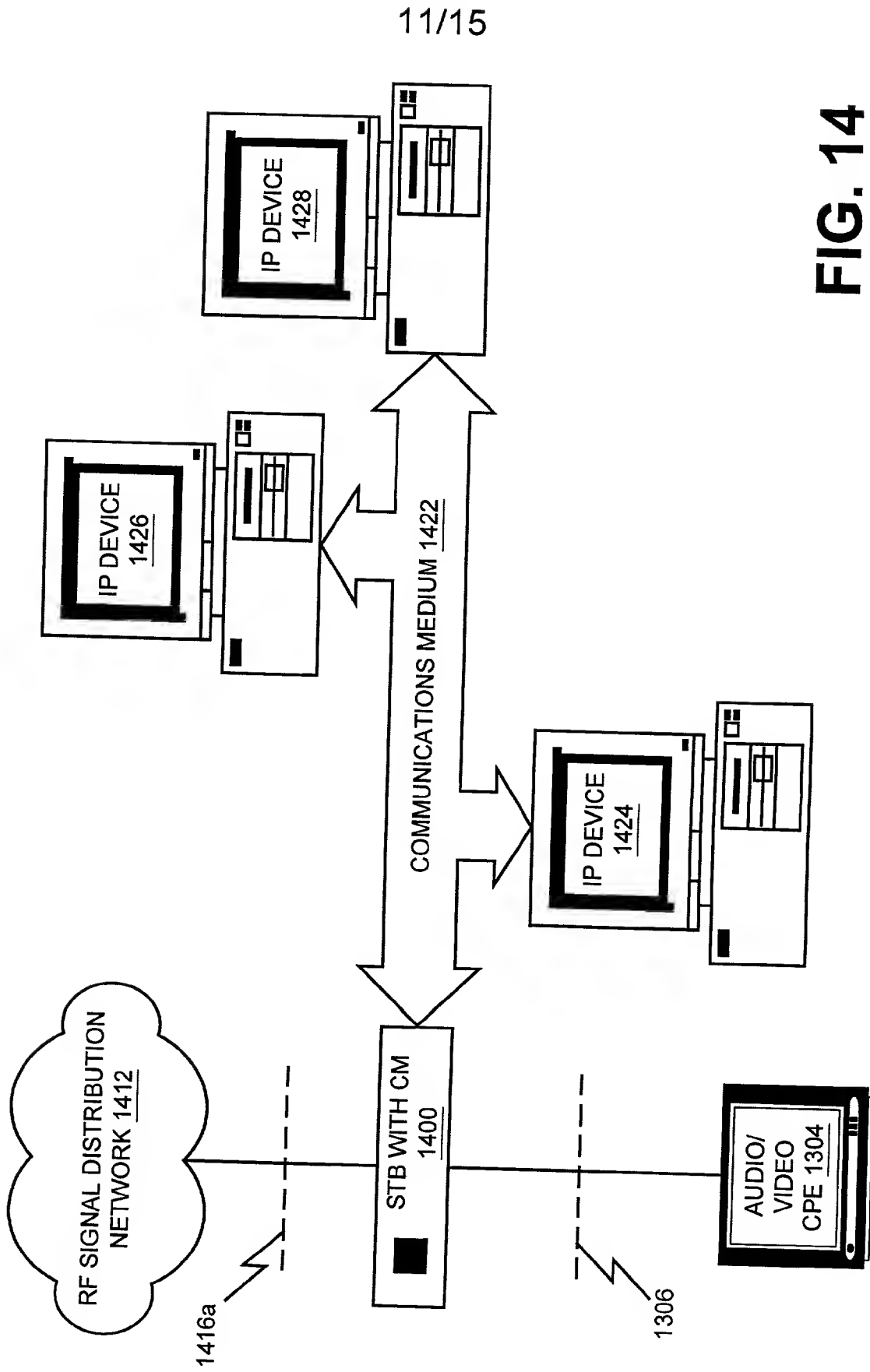


FIG. 14

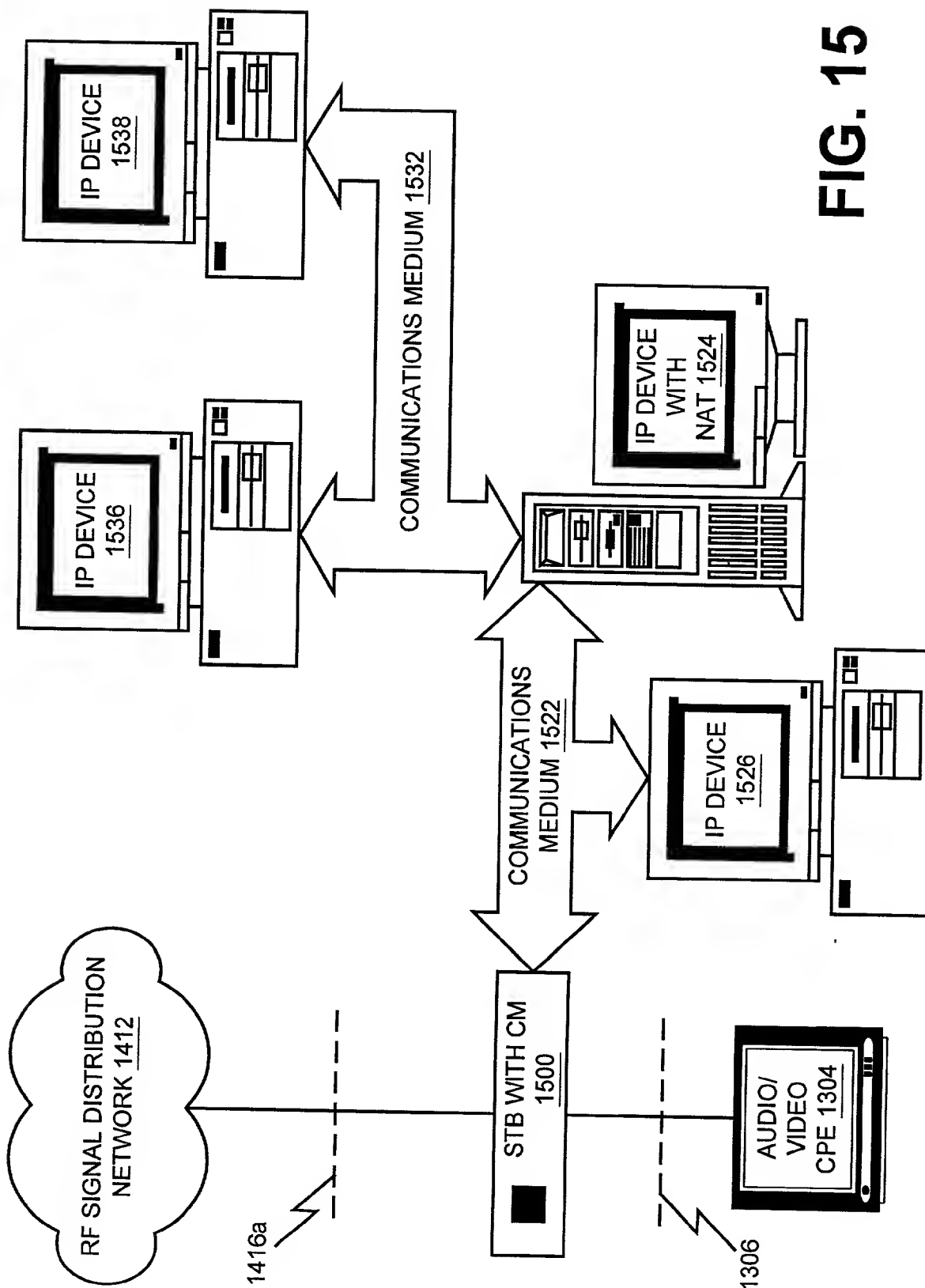


FIG. 15

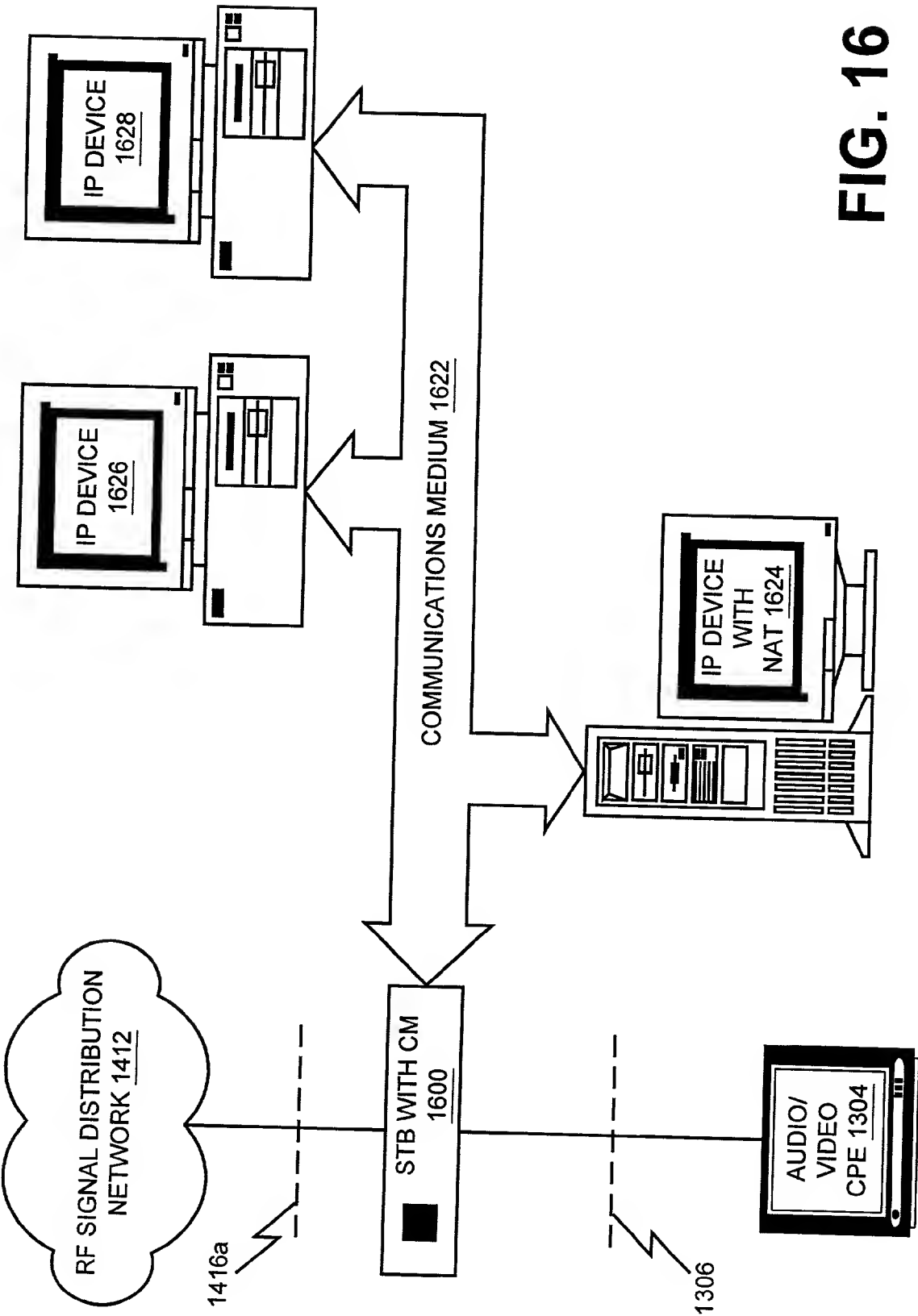


FIG. 16

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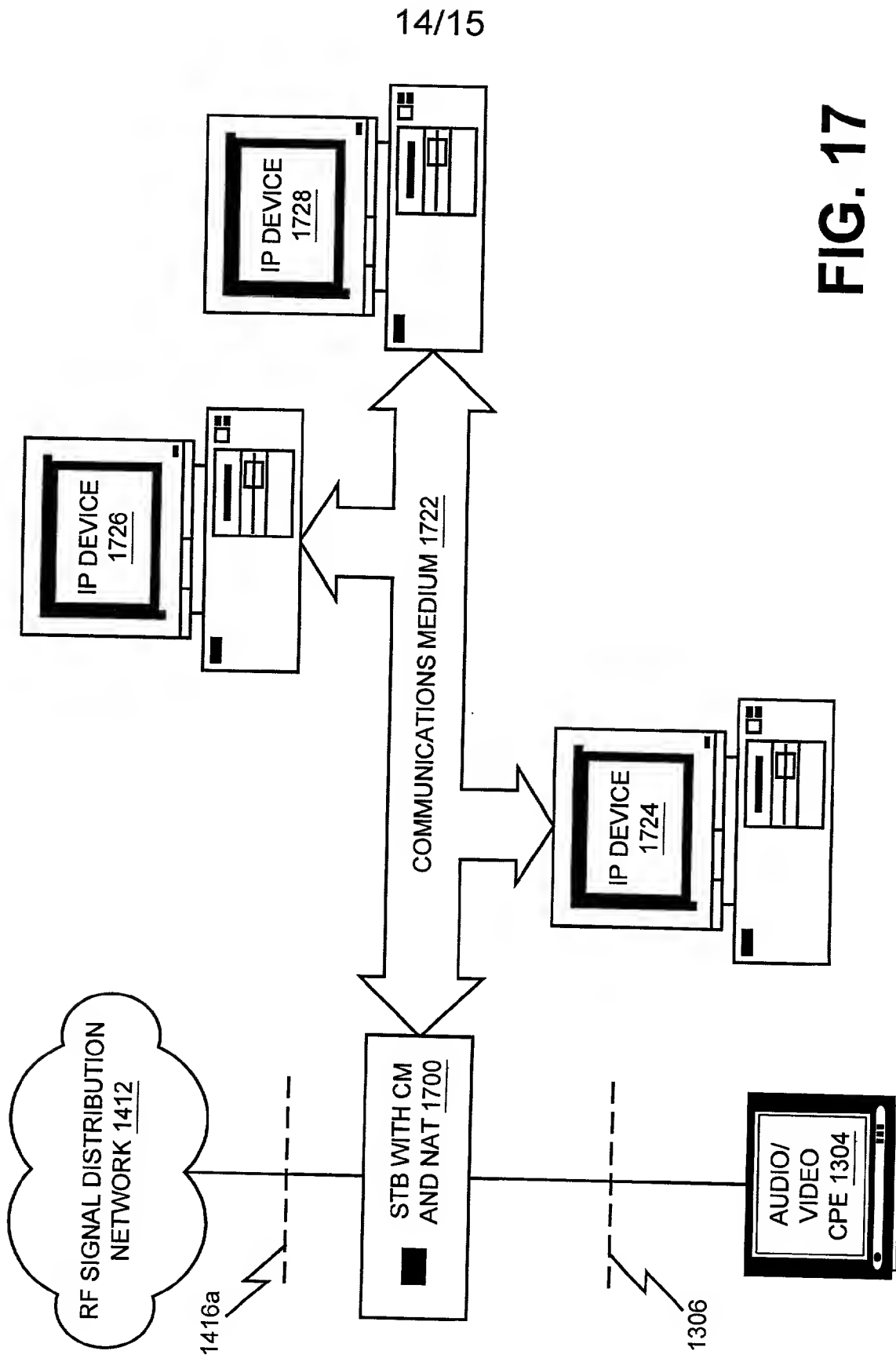


FIG. 17

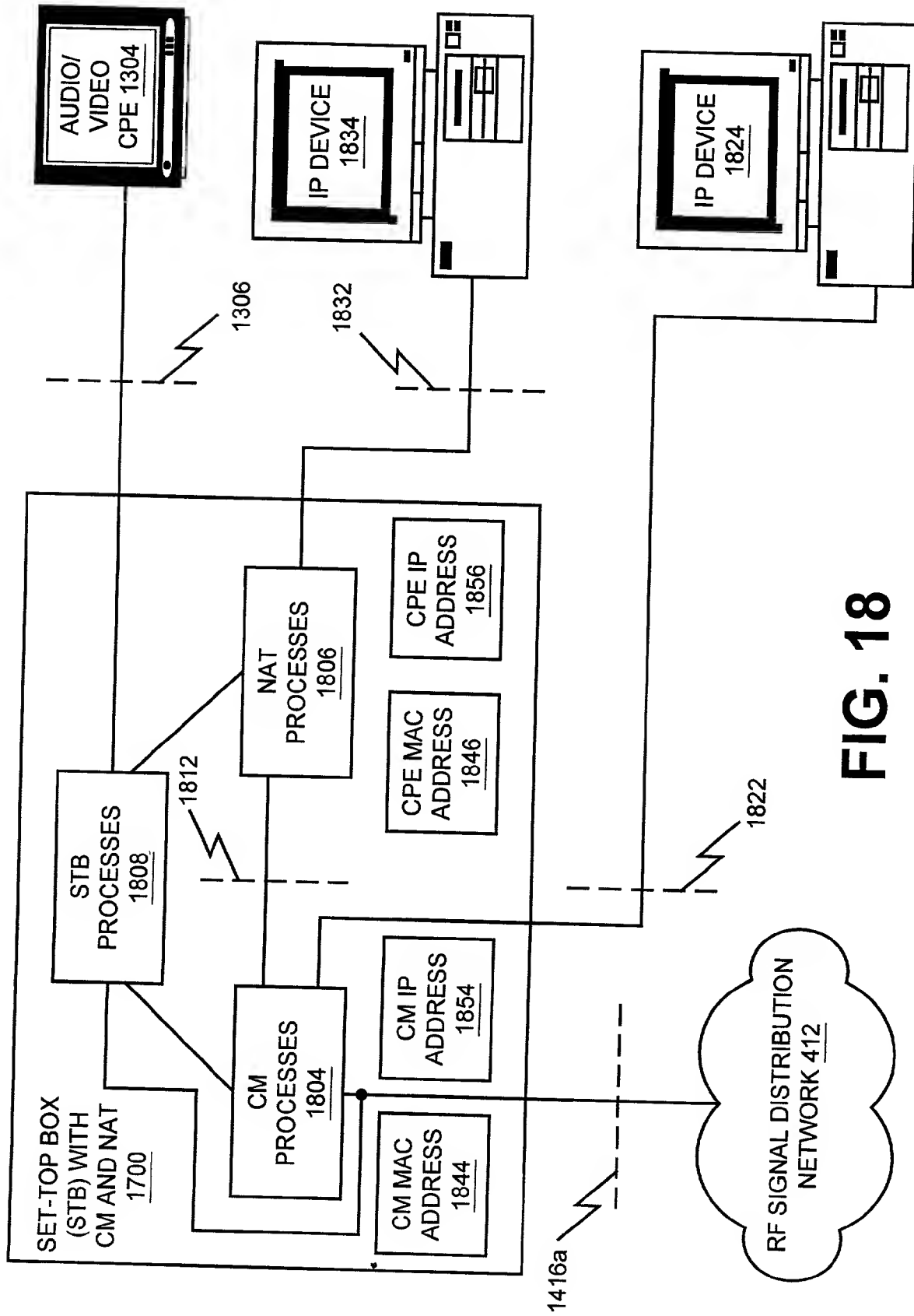


FIG. 18